

# REMOTE AGENT USER'S MANUAL

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# 1. INSTALLATION

## • System Requirement

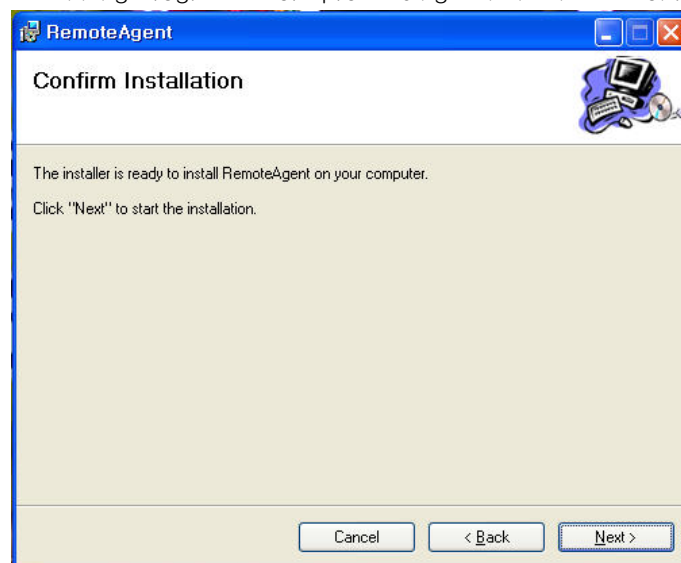
- ① Main Board (CPU): Pentium-500(Minimum), Pentium 4 recommend
- ② OS: Higher than Windows 2000, DirectX 7.0A
- ③ Memory (RAM): More than 128 M
- ④ VGA: Graphic card that support the DIRECT-X
  - ※ IMM4 Codec (When Playback Backup File)

## • DVR Remote Agent Install

- ① Open CD-ROM Drive and Run 'DvrRemoteAgentSetup.exe' from the SR-Series Installation CD.



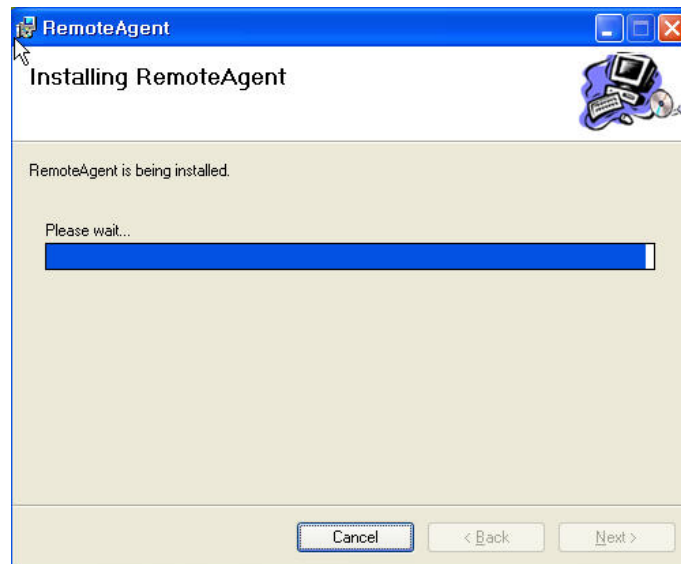
- ② Make sure to close all Running Program before proceeding with the installation.



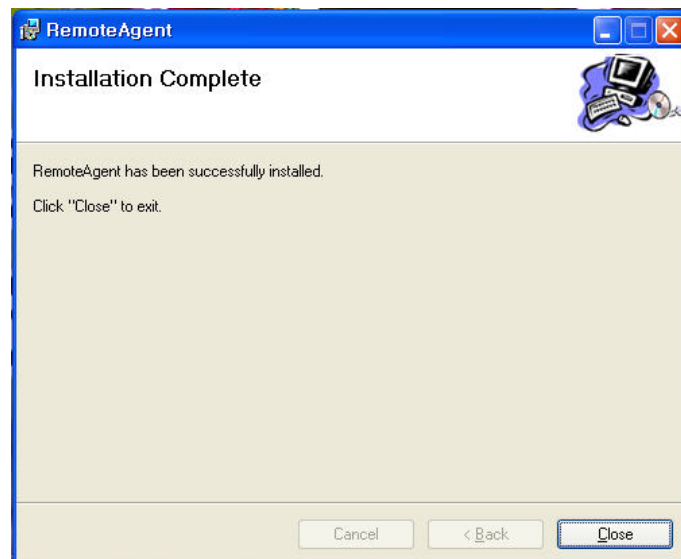
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## 1. INSTALLATION

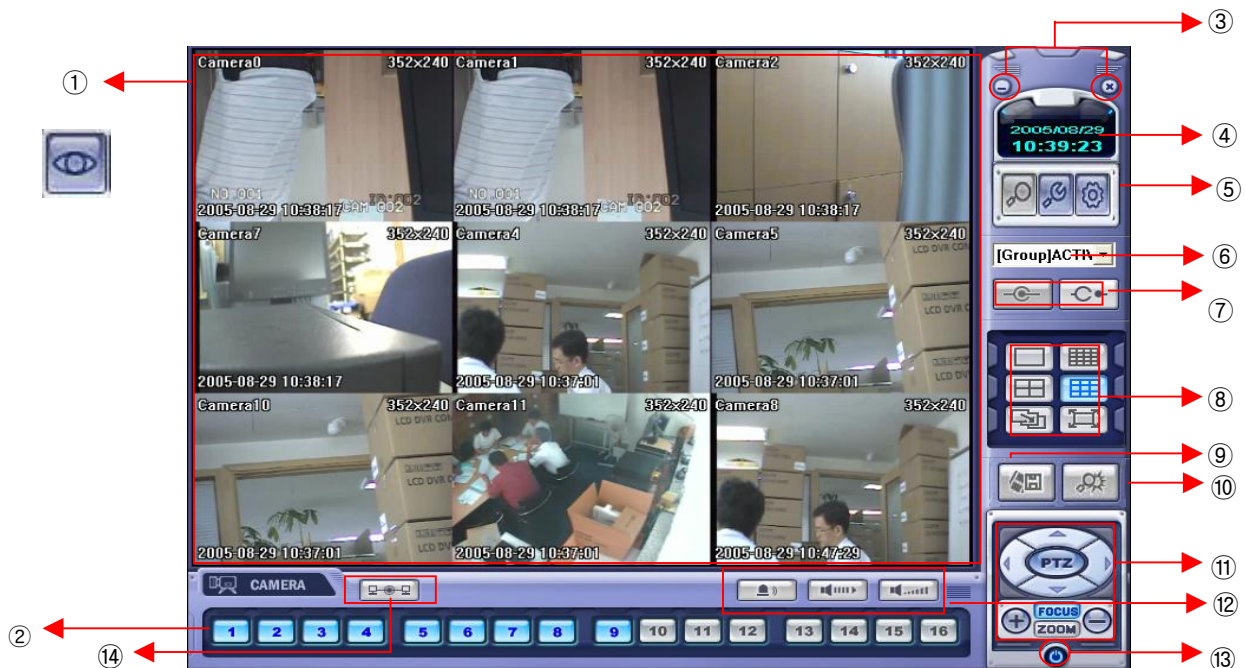
- ③ Showing Progress of Copy of Files.



- ④ Finish DvrRemoteAgent Program Installation.



## 2. Function introduction



- ① Main Screen Image : Showing Present Surveillance Camera Image.
- ② Camera Selection Button : Indicate Connected Camera No. & Select Image to Click Camera No.
- ③ Hidden/Exit : Hide DVR Client Window or Exit Program.
- ④ Time Output : Showing Present Time & Date.
- ⑤ SEARCH : Move to Search Mode to Play Video.  
Local/DVR SETUP : Move to Setup to Change Network Setup or Option.
- ⑥ DVR Selection : Select I/D to Connect Server.
- ⑦ Connect : Connect DVR.  
Disconnect : Disconnect from DVR.
- ⑧ Screen Division Selection : Change Screen Division Mode.
- ⑨ Save by AVI file : Transmission Live Image Save by AVI File.
- ⑩ Event viewer : Showing Present Event in Server & Find Image.
- ⑪ PTZ Control Button : Control Camera PTZ & Focus.
- ⑫ Audio Button and Alarm : Control Two Way Audio & Mute and Alarm On/Off.
- ⑬ Quit : Exit DVR Client.
- ⑭ Connection Status: Showing the connected DVR.

### 3. Local setup

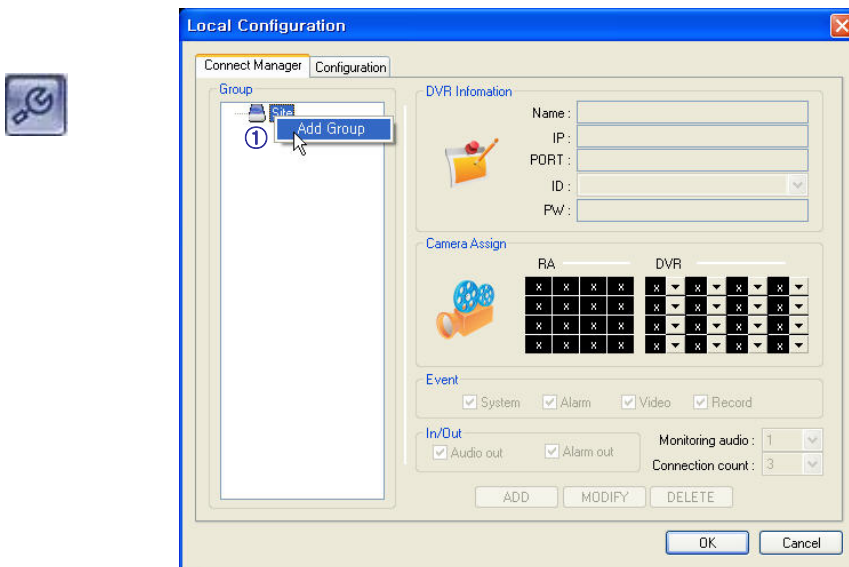
#### 1. Connect Manager

A screenshot of the 'Local Configuration' window. The window has a 'Connect Manager' tab and a 'Configuration' tab. The 'Configuration' tab is active. On the left, there is a tree view under 'Group' showing 'Site', 'office', and 'shin'. The 'shin' group is selected. The main area is divided into three sections: 'DVR Information', 'Camera Assign', and 'Event'. The 'DVR Information' section has fields for Name (shin), IP (00115H0011b.dvr.net), PORT (6200), ID (ADMIN), and PW (\*\*\*\*). The 'Camera Assign' section has a table for assigning cameras to DVRs. The 'Event' section has checkboxes for System, Alarm, Video, Record, Audio out, and Alarm out. At the bottom, there are buttons for ADD, MODIFY, DELETE, OK, and Cancel. A red arrow points to the DELETE button, which is labeled with a circled 5.

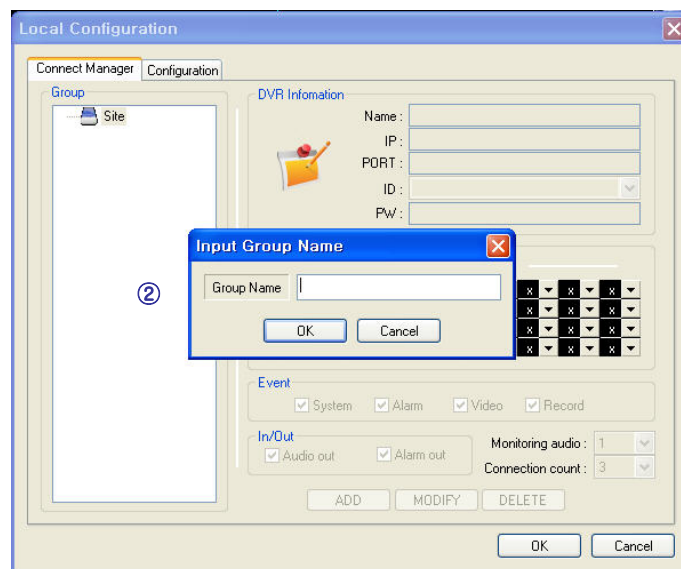
- ① Group & DVR list.
- ② DVR Information.
- ③ Camera Assign : Setup camera.
- ④ Option Check.(Event-system, alarm, video, record & In/Out)
- ⑤ Add, modify, delete group.

### 3. Local setup

#### 2. Add Group



① At 'site' of left upper side, right click the "Add Group".



② Input the Group name.

### 3. Local setup

The 'Local Configuration' window is shown with the 'Configuration' tab selected. On the left, a tree view shows 'Group' expanded with 'Site' and 'Office' sub-items. The main area is titled '3 DVR Information'. It contains fields for 'Name' (Shin), 'IP' (00115#0011b.dvlink.net), 'PORT' (6200), 'ID' (ADMIN), and 'PW' (\*\*\*\*). Below these is a 'Camera Assign' section with a grid of checkboxes for RA and DVR. The 'Event' section has checkboxes for System, Alarm, Video, and Record, all of which are checked. The 'In/Out' section has checkboxes for Audio out and Alarm out, both checked. There are dropdowns for 'Monitoring audio' (set to 1) and 'Connection count' (set to 3). At the bottom are buttons for 'ADD', 'MODIFY', 'DELETE', 'OK', and 'Cancel'.

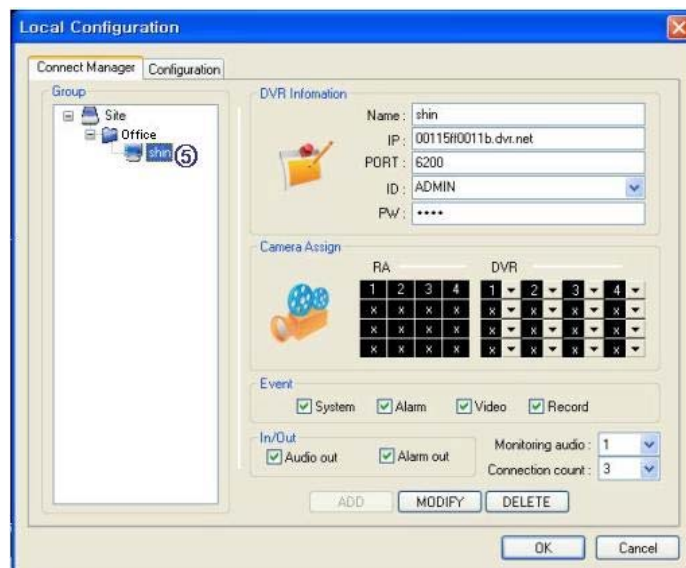
③ Input DVR information.(name, IP, port, ID, PW)

The 'Local Configuration' window is shown with the 'Configuration' tab selected. The main area is titled '4 Camera Assign'. It contains a grid of checkboxes for RA and DVR. The 'Event' section has checkboxes for System, Alarm, Video, and Record, all of which are checked. The 'In/Out' section has checkboxes for Audio out and Alarm out, both checked. There are dropdowns for 'Monitoring audio' (set to 1) and 'Connection count' (set to 3). At the bottom are buttons for 'ADD', 'MODIFY', 'DELETE', 'OK', and 'Cancel'.

④ Set camera position, check option and press 'ADD'



### 3. Local setup

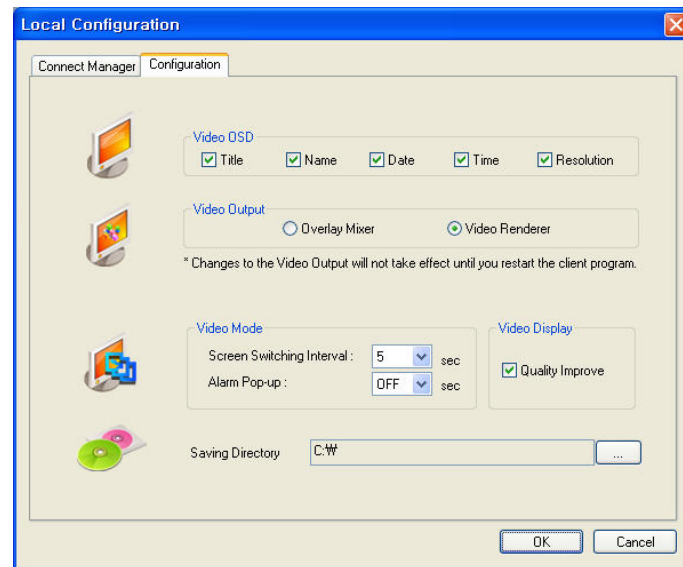


⑤ New DVR list is shown on the left upper side.

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## 3. Local setup

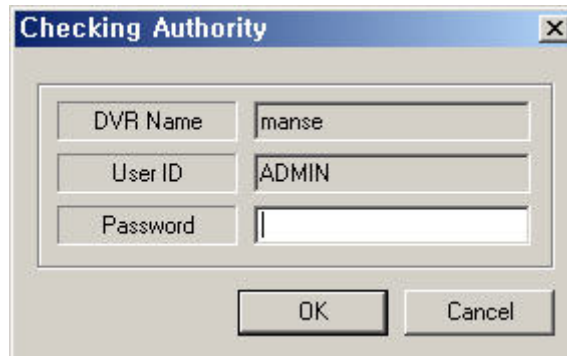
### 3. Configuration



- ① Video OSD : Select screen information. (title, name, date, time)
- ② Video output : Select video output method.
  - Overlay Mixer : Output without passing through CPU.
  - Video Renderer : Output through CPU.
- ③ Video mode
  - Screen switching interval : During the monitoring, select screen rotation interval time(2~300sec.)
  - Alarm pop-up : Pop-up time of alarm happened channel on (2~60sec.) /off.
- ④ Saving Directory : Designate remote PC backup image saving folder.

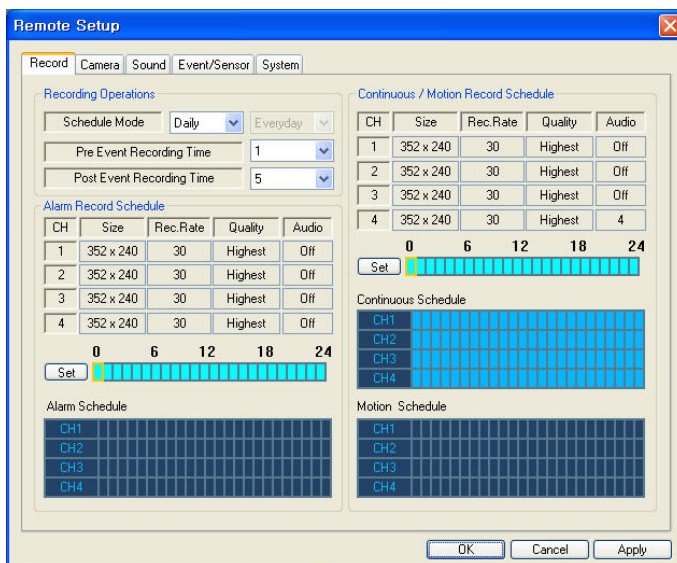
## 4. DVR setup

Press  button, select DVR name, and press Select.



A dialog box titled "Checking Authority" with a close button (X) in the top right corner. It contains three input fields: "DVR Name" with the text "manse", "User ID" with the text "ADMIN", and "Password" which is empty. Below the fields are two buttons: "OK" and "Cancel".

Password Input Window Open, then input password.



A complex dialog box titled "Remote Setup" with a close button (X) in the top right corner. It has several tabs: "Record", "Camera", "Sound", "Event/Sensor", and "System". The "Record" tab is active. It contains sections for "Recording Operations", "Alarm Record Schedule", and "Continuous / Motion Record Schedule". The "Recording Operations" section has a "Schedule Mode" dropdown set to "Daily" and "Everyday" options, and "Pre Event Recording Time" and "Post Event Recording Time" dropdowns set to "1" and "5" respectively. The "Alarm Record Schedule" and "Continuous / Motion Record Schedule" sections each have a table with columns "CH", "Size", "Rec.Rate", "Quality", and "Audio". Below these tables are "Set" buttons and "Alarm Schedule" and "Motion Schedule" sections with grid-like interfaces for scheduling. At the bottom are "OK", "Cancel", and "Apply" buttons.

### 1. Record



A dialog box titled "Record Properties" with a close button (X) in the top right corner. It contains a table with columns "Camera", "Size", "Rec.Rate", "Quality", and "Audio". The table has four rows, each with a camera ID (01, 02, 03, 04) and corresponding settings. Below the table is a text field labeled "3 Frames Available". At the bottom are "OK" and "Cancel" buttons.

- Record Operations

- Schedule Mode: Weekly or Daily.  
(When weekly mode, setup each day.)
- Pre Event Recording Time: When event happen, record image including setting time before event happened.  
(0 ~ 5 Second)
- Post Event Recording Time: When event happen, record image including setting time after event happened.  
(5 ~ 180Second)

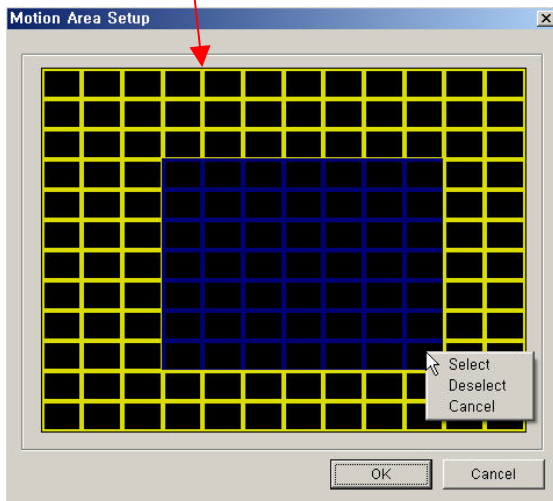
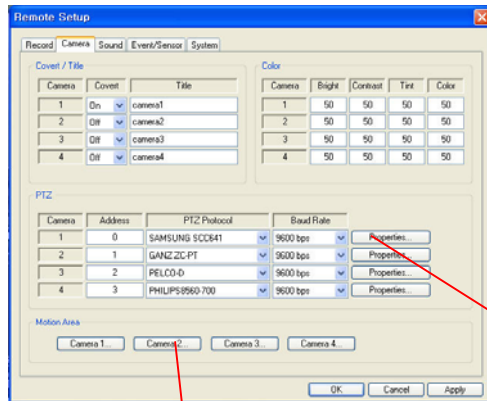
- Alarm Recording Schedule

- Click the "Set" Button for Alarm Recording.
- Setup size, rec. rate, quality, audio.

- Continuous/Motion record Schedule

- Click the "Set" Button for Continuous/Motion record Schedule.
- Setup size, rec. rate, quality, audio.

## 4. DVR setup



- Motion Area
  - Click the “Camera” Button.
  - Select area by mouse drag, and Choose menu (Select/Deselect/Cancel).

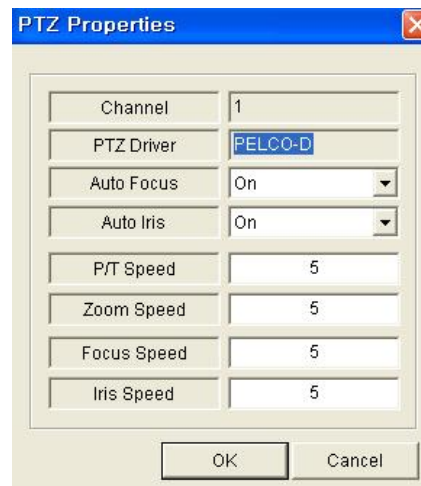


### 3. Sound

- Live Audio Setup
  - Live Audio : On/Off.
  - Audio monitoring channel : Select channel.
  - Network Audio TX : Choose the Audio transmission.
  - Network Audio RX : Choose the Audio receive.

### 2. Camera

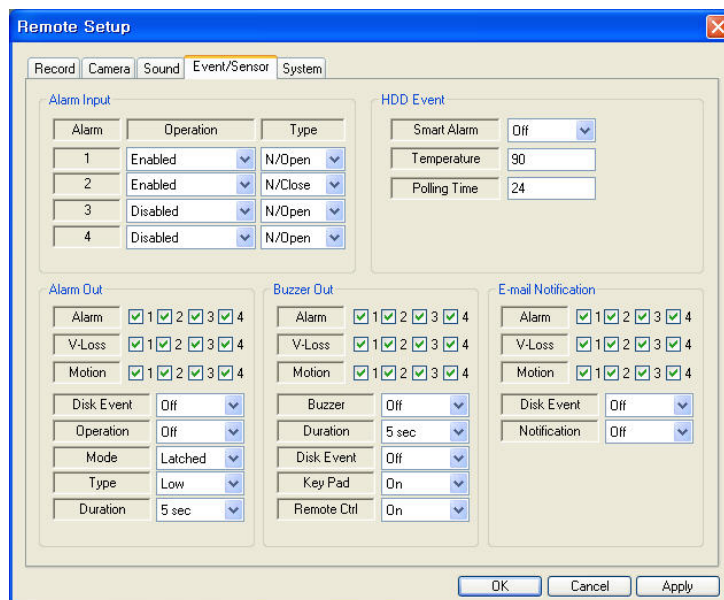
- Status/Title Setup
  - Setup for Each Camera (Covert function On/Off, Camera Name).
- Color Setup
  - Setup Color for Each Screen.
- Covert/PTZ Setup
  - Setup for Each Camera PTZ Protocol, Baud rate.



- Click the “Properties” button.
- Setup about PTZ camera.

## 4. DVR setup

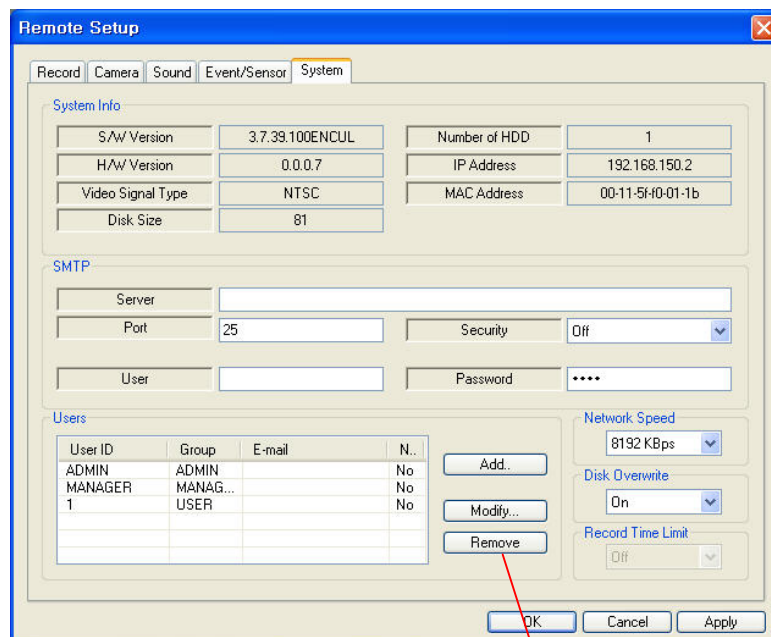
### 4. Event/sensor



- Alarm Input
  - Setup for Each Channel Alarm Connection & Type.
- Alarm Out
  - Setup each channel when alarm, videoloss, motion are happened.
  - Disk Event: Alarm On/Off when HDD has the problem.
  - Operation: Setup Relay Connect with Alarm Sensor.
  - Mode: Setup Reacted Relay as Latched/Transparent Mode.
  - Type: Setup Relay Type N/Open or N/Close.
  - Duration: Setup Reacted Relay Time. (5sec~5min or Until key-in)
- Buzzer out
  - Setup each channel when alarm, videoloss, motion are happened.
  - Buzzer: On/Off
  - Duration: Buzzer time(5sec~5min or Until key-in).
  - Disk Event: Buzzer On/Off when HDD event happen.
  - Keypad : Setup Key Input Sound.
  - Remocon: Setup remocon Input Sound.
- HDD Event
  - Smart Alarm: On/Off.
  - Temperature: HDD Temperature.
  - Polling Time: HDD Checking Time.
- E-mail Notification
  - If happen the alarm, videoloss, motion and HDD event, setup the notification at the E-mail.
  - Disk Event: E-mail notification On/Off when HDD event is happened.
  - Notification: On/Off.

## 4. DVR setup

### 5. System



The 'Remote Setup' window has the 'System' tab selected. It contains three main sections: 'System Info', 'SMTP', and 'Users'. The 'System Info' section shows fields for S/W Version (3.7.39.100ENCUL), H/W Version (0.0.0.7), Video Signal Type (NTSC), Disk Size (81), Number of HDD (1), IP Address (192.168.150.2), and MAC Address (00-11-5H0-01-1b). The 'SMTP' section has fields for Server, Port (25), Security (Off), User, and Password (masked with dots). The 'Users' section features a table with columns User ID, Group, E-mail, and N., containing entries for ADMIN, MANAGER, and a new user with ID 1 and Group USER. To the right of the table are 'Add...', 'Modify...', and 'Remove' buttons. Further right are 'Network Speed' (8192 KBps), 'Disk Overwrite' (On), and 'Record Time Limit' (Off) settings. At the bottom are 'OK', 'Cancel', and 'Apply' buttons. A red arrow points from the 'Remove' button to the 'Add / Modify User ID' dialog.

User ID	Group	E-mail	N.
ADMIN	ADMIN		No
MANAGER	MANAG...		No
1	USER		No

- System Info
  - Possible to Watch DVR System Status.
- SMTP
  - Setup the mail server and user's E-mail.
- Users
  - Setup the Users.
  - Click the "Add" or "Modify" button.
- Disk Overwrite
  - Setup DVR HDD Overwrite On/Off.
- Network Speed



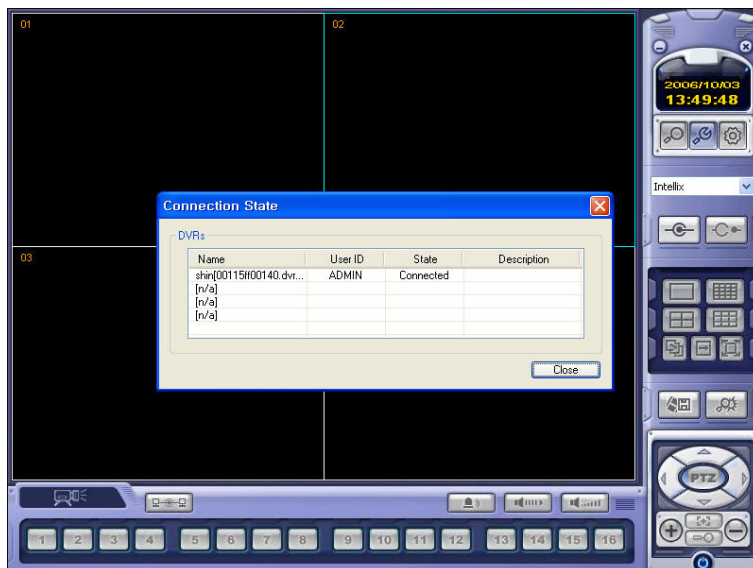
The 'Add / Modify User ID' dialog box has fields for User ID, Group (set to USER), E-mail, Notification (set to No), Password, and Confirm Password. It includes 'OK' and 'Cancel' buttons at the bottom.

## 5. Monitoring

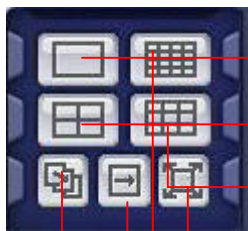
### 1. Selection Network I/D



- Select I/D to Connect Server.
- I/D can be Add, Change, and Delete at Setup.



### 2. Screen Division Selection



- 1\*1 View : Showing One (1) Video which User Selected.  
(Selection Video by Camera Selection Button)
- 4\*4 View : 4 Screen Division Mode.
- 9\*9 View : 9 Screen Division Mode.
- 16\*16 View : 16 Screen Division Mode.(Only in 16ch product)
- Auto switch : Screen Mode Showing One by One (Same at division mode)
- Manual switch : Screen Mode Showing One by One by click manually.
- Full Screen View : Present Video Move to Full Screen Mode.  
Mouse Double Click when Return Previous.

\*Mouse Double Click Make the Same Function as Full Screen.

#### Tip

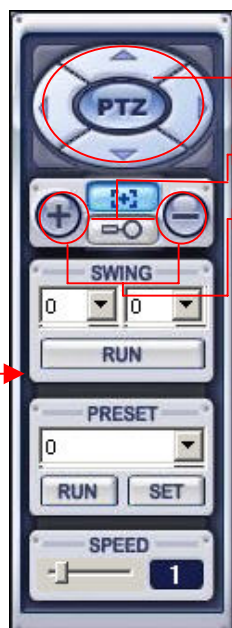
※ Multi DVR Client

- 4EA DVRs can be control the live view, search the data, backup data and setup about each channel at the same time.

## 5. Monitoring

### 3. P/T/Z Control

- Press the PTZ Button.

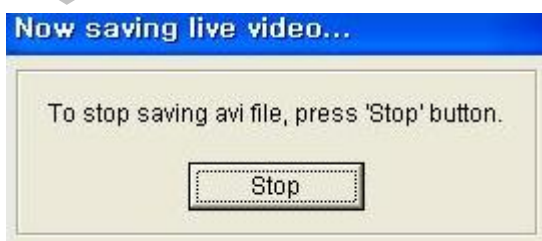


- P/T/Z Controller : Camera P/T/Z Control by Direction Keys
- FOCUS/ZOOM Select Button : Focus or Zoom Control by +,- Button
- +,- Control Button : Focus or Zoom Control



## 5. Monitoring

### 4. AVI File Conversion



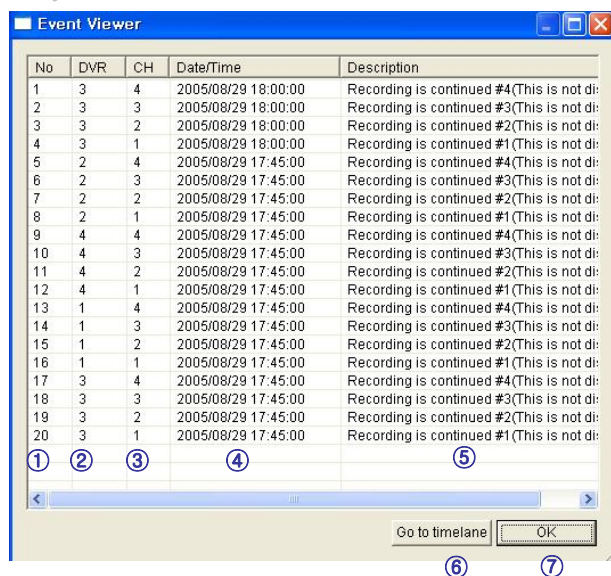
- Click AVI Conversion Button to Start AVI File Conversion.
- During AVI Conversion Showing a Message and before Click 'Stop' Save AVI File continuously .

• 'Press 'Stop' to Open Designate File Name & Saving Location, and Save AVI File.

• Saved AVI File can Open Ordinary Moving Picture Player or Backup Player.

• Moving Picture Player Codec Version Need Higher than Divx 5.1 & IMM4 Codec.

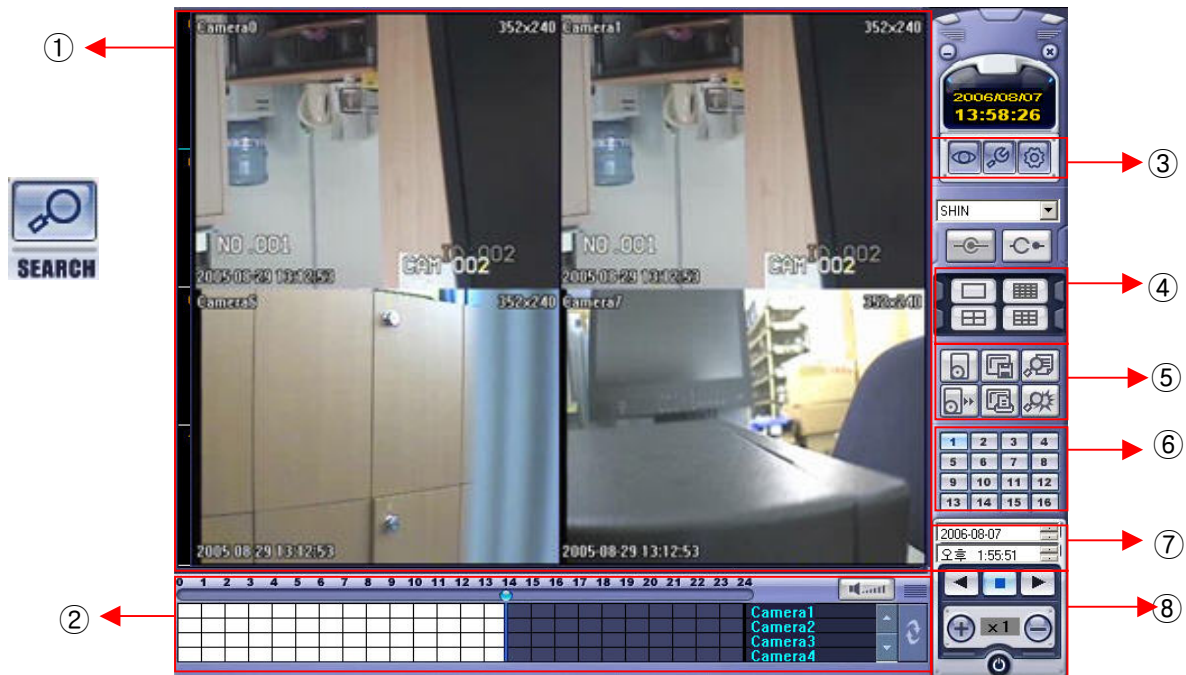
### 5. Event Viewer



- ① Indicate Event Occurred Order No.
- ② Indicate Event Occurred DVR No.
- ③ Indicate Event Occurred Camera No.
- ④ Indicate Event Occurred Time & Date
- ⑤ Indicate Event Detail Description
- ⑥ After Select Event, Move Search Bar in Search Mode
- ⑦ Return to Search Main to Play Selected Event Image

## 6. Search

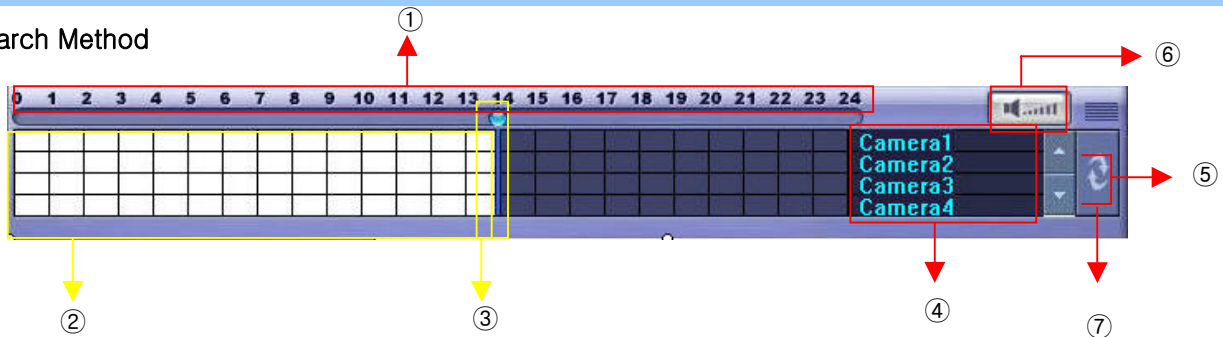
### 1. Function Introduction



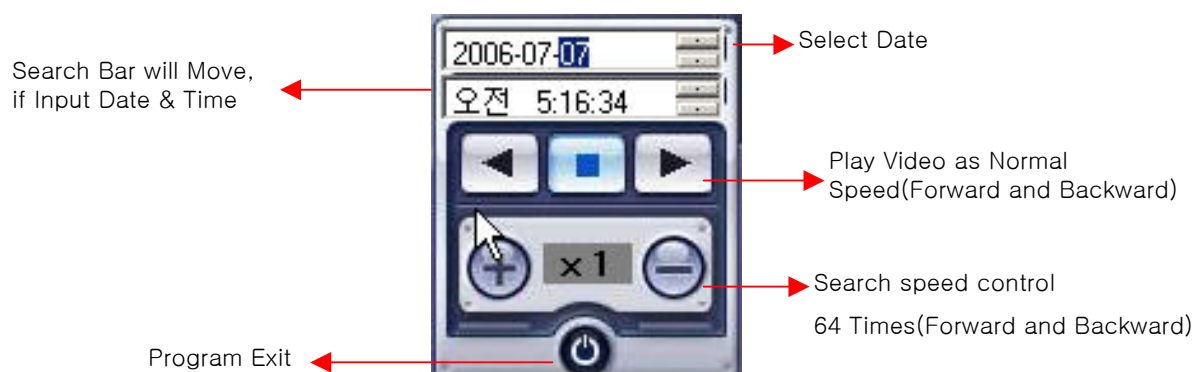
- ① Search Screen : Playing Selected Video.
- ② Search Bar : Search & Indicate Camera Recording Situation by Time Bar .
- ③ LIVE : Return to Watch Mode.  
SETUP : Open Setup to Change Network Setup or Option.
- ④ Screen Division Selection : Change Playing Screen Division Mode .
- ⑤ SEARCH Option : Backup Video or Search Event.
- ⑥ Camera Selection Button : Select Camera at the 1\*1 View .
- ⑦ Quick Search : Find Image to Designate Date & Time.
- ⑧ Search Controller : Control Playing Video.

## 6. Search

### 2. Search Method

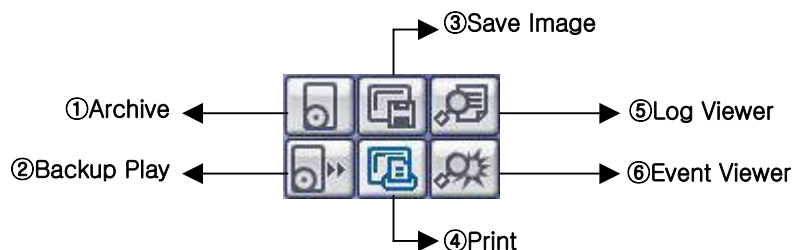


- ① Indicate 0~24 Hour.
- ② Indicate Recording Situation (Grey : No Record, White : Recorded Image at the Time).
- ③ Search Bar : Select Video to Drag Mouse Search Controller in Recorded Area.
- ④ Indicate Camera Channel to Confirm Camera Recording Situation.
- ⑤ If Connected Channel is 5 or More, Another Channel will be Scroll.
- ⑥ Volume : Setup volume.
- ⑦ Refreshment Recording Information Situation Window by Camera Channel.

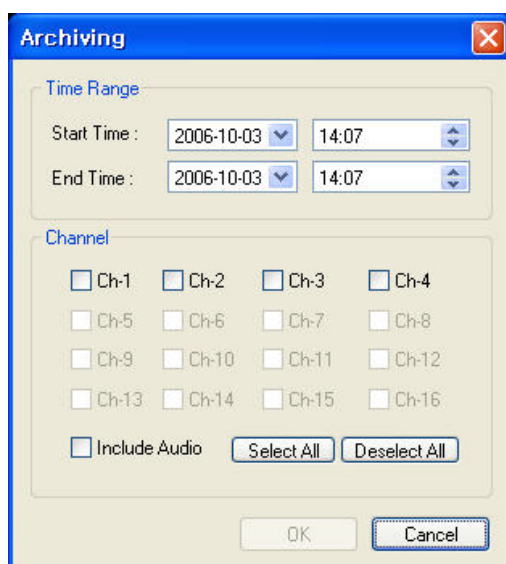


## 6. Search

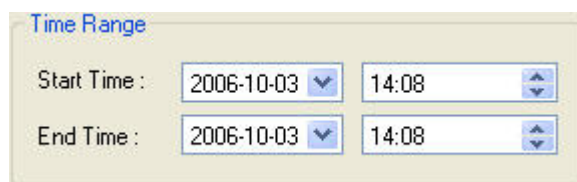
### 3. Search option



① **Archive** – Backup Image from Server to Remote PC.



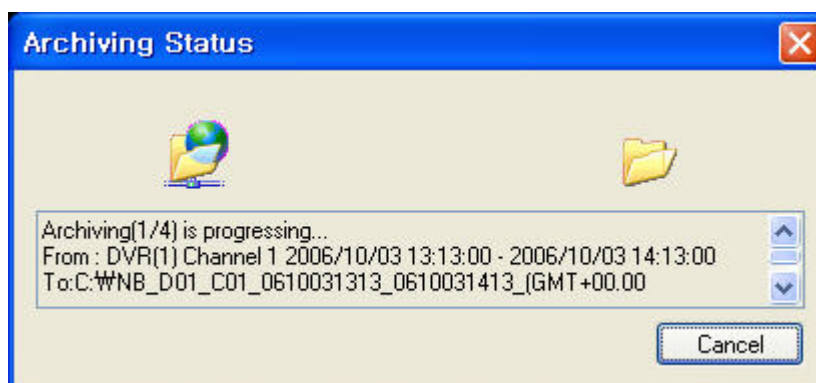
- Time Range



Designate Backup Image Data Length to Input Start Time & End Time.

- Channel : Check Camera Channel for Backup.
- Include Audio : Check Audio Including when Backup.
- Select All  
Deselect All

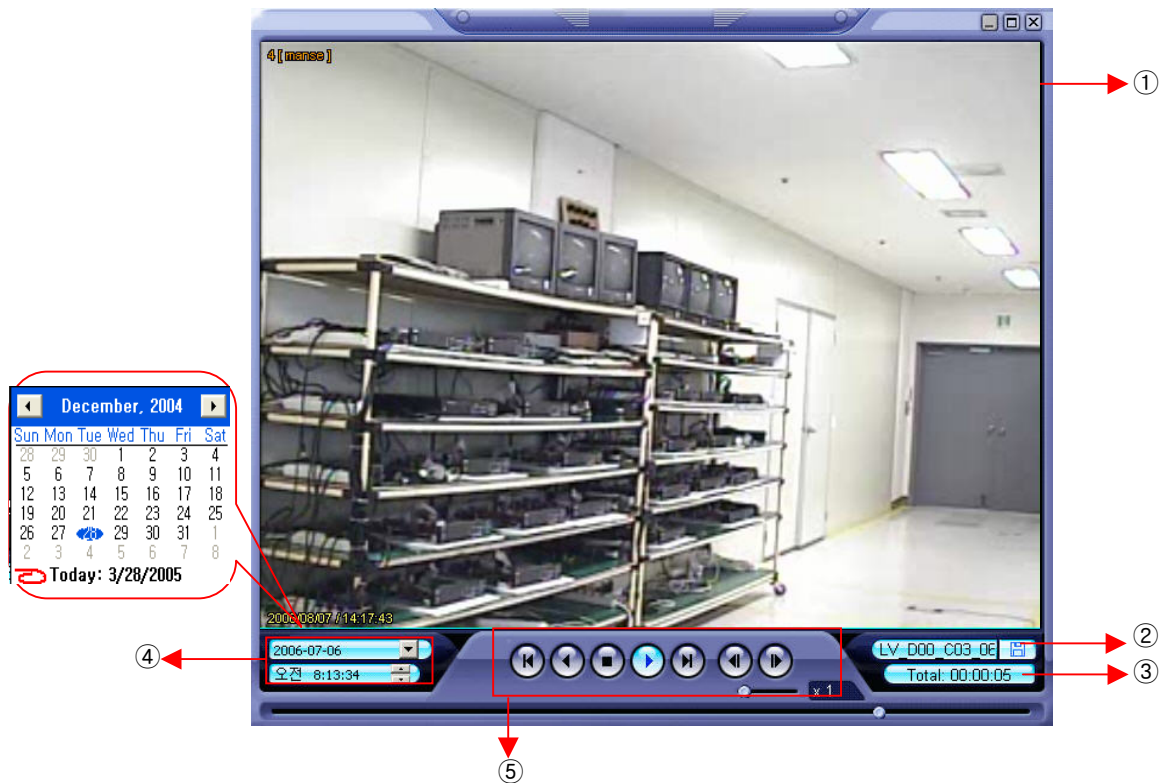
- Press OK to Open Backup Status & Start Backup.



- When Finish Backup, Back Status Window Disappear & Backup Data Save at Hard Disk Root Folder in Remote PC.

## 6. Search

### ② Backup Play (DVR Player) – Transfer to DVR Player



① Showing Image (Possible to Only 1\*1View Mode).

② Backup File Open to Play First Video.

Ex. : ch02\_04131730\_04131735.rec ( Backup File for # 2 ch. Apr.13, 17H30M ~17H35M )

③ Indicate total playing time.

Total: 00:02:00

④ Indicate Present Time & Date and Possible to Search Time & Date.

⑤ Search Controller, the Same Way of Previous Search.

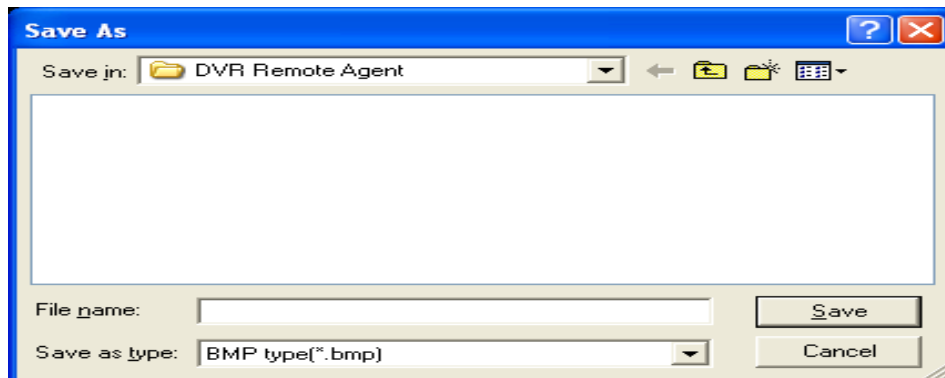
### Tip

- Backup Play Setup in Search Mode is the Same as DVR Player,  
| so it can be Run Independently without Running Remote Program.
- Backup Player & Ordinary Moving Picture Player Possible to Playback,  
| Real Time AVI Backup File can Display as the Same Format.

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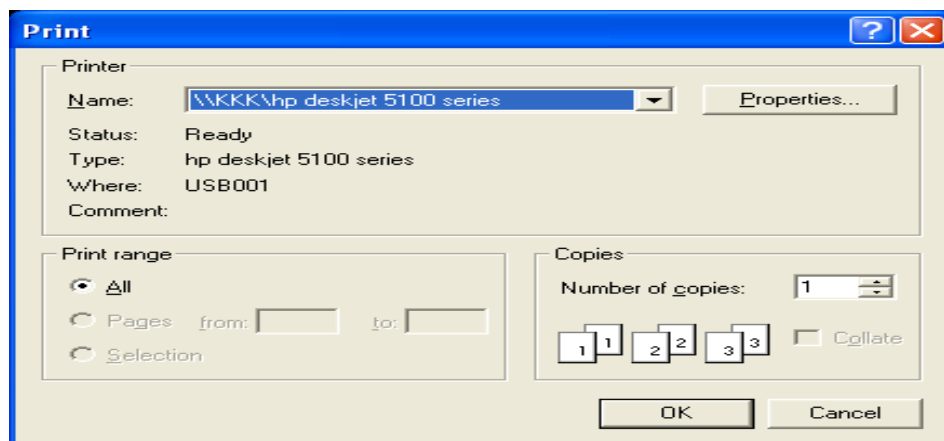
## 6. Search

③ **Save Image** – Capture Image & Saving Image at Hard Disk or Removable Disk.



- Click 'Save Image' Icon During Playing Video.
- Designate File name, File Type (JPG,BMP), and Location and Press Saving.
- Conversion and Saving Image from Remote Viewer.

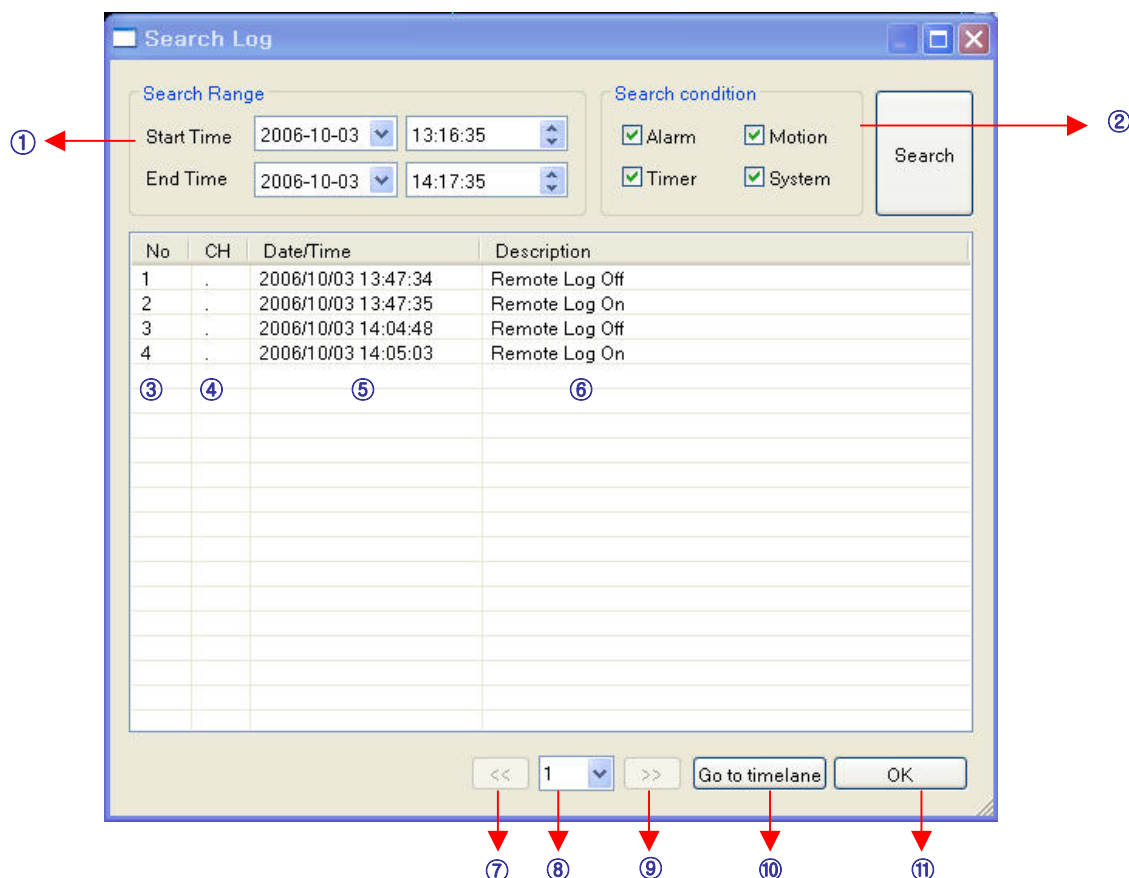
④ **Print** – Present Image Capture and Print Out Image.



- During Play Video, Click 'Print Image' .
- After Selecting Printer, Start Image Printing.
- Print Out Remote Viewer Image.

## 6. Search

### ⑤ Log Viewer – Find Video Centering around Event Log at DVR.

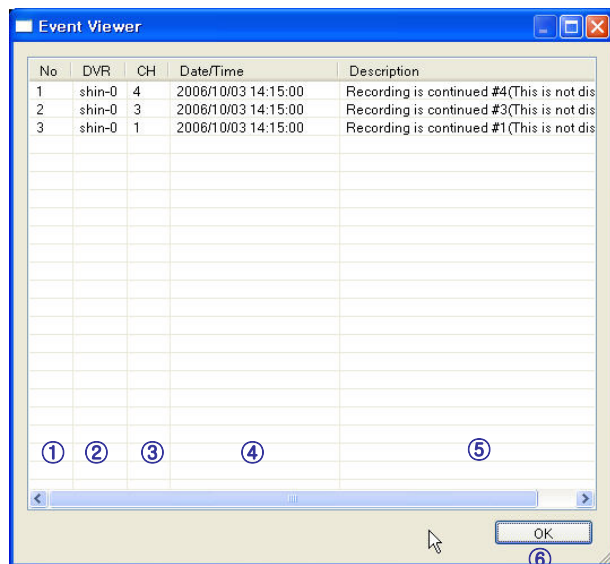


- ① Input Start Time and End Time at the Selected Date to Search Event.  
When Press Search Button, Event Output at the Below Window.
- ② Choose the conditions for searching the log.
- ③ Indicate Event Log Order No. ( Max Event Log No. of 1 Page is 100 )
- ④ Indicate Event Occurred channel.
- ⑤ Indicate Event Occurred Time & Date.
- ⑥ Indicate Event Detail Description.
- ⑦ Move to Previous Page.
- ⑧ Move to User Select Page.
- ⑨ Move to Next Page.
- ⑩ After Select Event, Move Search Bar in Search Mode.
- ⑪ Return to Search Main to Play Event Image.



## 6. Search

### ⑥ Event Viewer– Showing Present Event in Server & Find Image



- ① Indicate Event Occurred Order No.
- ② Indicate Event Occurred DVR No.
- ③ Indicate Event Occurred Camera No.
- ④ Indicate Event Occurred Time & Date
- ⑤ Indicate Event Detail Description
- ⑥ Return to Search Main to Play Selected Event Image .

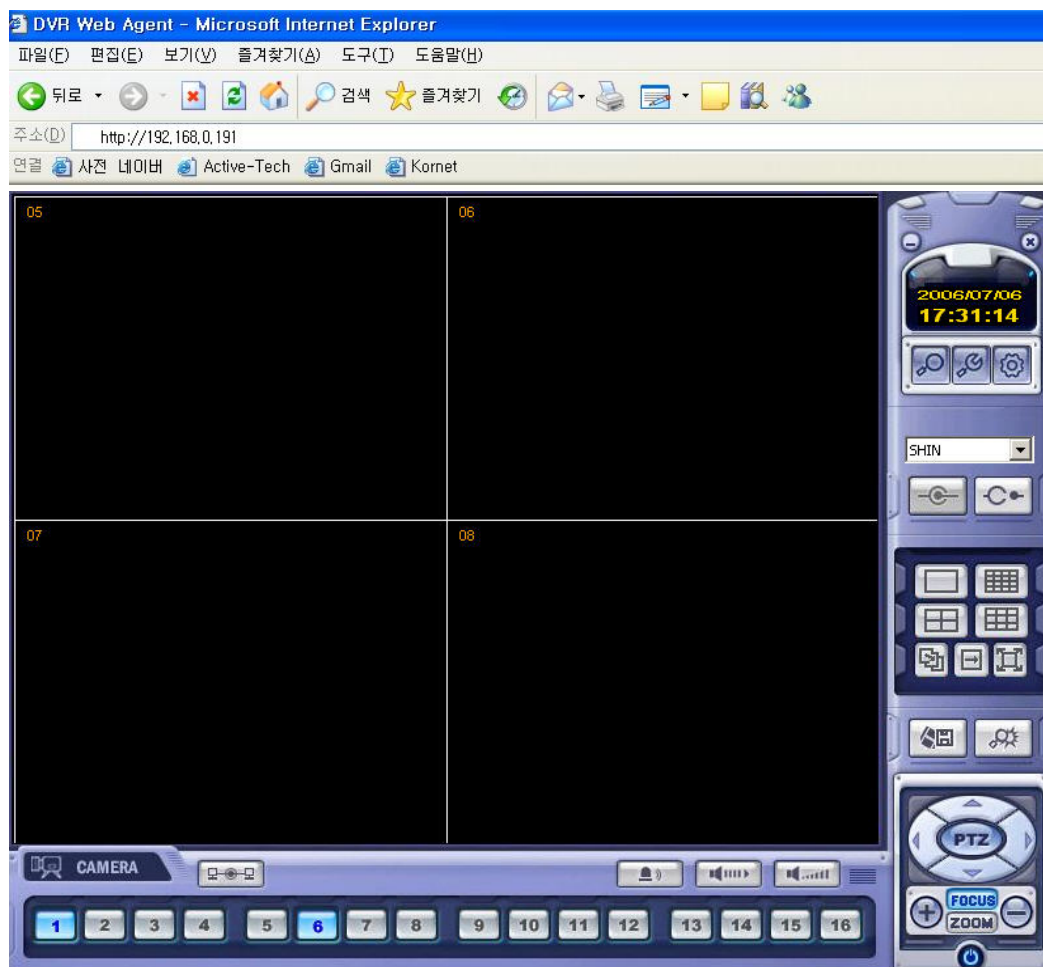


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## 7. Web client

- WEB Client Connection

- ① Input IP Address or URL for DVR Server at the Internet Explorer Address Input Place.
- ② When Appear Active-X install Message, Please Click Confirm or Continue.



- ③ Showing Web Client Window at Internet Explorer.
- ④ All function is same with RemoteAgent.

## 7. Web client

